

To: Ostrander, David[Ostrander.David@epa.gov]
From: McGrath, Shaun
Sent: Mon 9/14/2015 8:45:30 PM
Subject: RE: R8 Q&As

David, now I see that you had cut and pasted Joyce's response into the Q/A. thx

From: Ostrander, David
Sent: Monday, September 14, 2015 2:43 PM
To: Card, Joan; Ackerman, Joyce; McGrath, Shaun
Cc: Way, Steven; Hestmark, Martin
Subject: RE: R8 Q&As

For two it could be 8000 gpm with appropriate head.

From: Card, Joan
Sent: Monday, September 14, 2015 2:42 PM
To: Ostrander, David; Ackerman, Joyce; McGrath, Shaun
Cc: Way, Steven; Hestmark, Martin
Subject: RE: R8 Q&As

Deliberative Process/Ex. 5

From: Ostrander, David
Sent: Monday, September 14, 2015 2:40 PM
To: Card, Joan; Ackerman, Joyce; McGrath, Shaun
Cc: Way, Steven; Hestmark, Martin
Subject: RE: R8 Q&As

I looked at a couple of charts. Flow volume is tied to head and velocity. The lowest flow velocity on one chart had a corresponding rate of 350 gpm at a velocity of 1.1 fps. For two pipes that would be 700 gpm. Flow rates went as high as 4000 gpm with a velocity of 12.8 fps.

From: Card, Joan
Sent: Monday, September 14, 2015 2:33 PM
To: Ostrander, David; Ackerman, Joyce; McGrath, Shaun
Cc: Way, Steven; Hestmark, Martin
Subject: RE: R8 Q&As

Deliberative Process/Ex. 5

That might be a follow up question.

Joan

From: Ostrander, David
Sent: Monday, September 14, 2015 12:53 PM
To: Ackerman, Joyce; McGrath, Shaun; Card, Joan
Cc: Way, Steven; Hestmark, Martin
Subject: RE: R8 Q&As

revised

Deliberative Process/Ex. 5

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